Subject Index

(* Book Review, † Software Review)

Acetyl CoA turnover, expt 212, 216
Adenosine deaminase deficiency, expt 90
Alcoholism * 101
Alkaloid chromatography 222
D-Amino acid oxidase, expt 209

Basic facts * 160
Biochemistry (Campbell) * 222
Biochimie Clinique * 99
Biophysical Chemistry * 99
Bone, expt 210
Budapest, FEBS 117
Bulgaria, Workshop 64

Calcium, cellular * 42
Cancer diagnosis * 161
Cell, Blueprint for * 159
Centrifugation * 157
Chaperones 166
Cholesterol Metabolism * 44
Chromatography, expt 33
Citrate cycle 19, 24
Colombia, workshop 7
Computers, use of 140, 147, 154
Costa Rica, Workshop 173

Diabetes, Case study 193
Disulphides, expt 153
DNA Course * 157
DNA Model 82
DNA Music cassette 45
DNA Sequencing videotape 94

Editorials 1, 49, 105. 165
Educating for a career 121
Electrophoresis * 39, 102
Eminent scientists * 161
Energy transitions * 101
Enzymes * 102
Enzyme kinetics, expt 154
Enzymes in industry * 98
Erythrocytes, expt 34
Essays in Biochemistry * 42
Examinations 185
Experiments 33, 34, 35, 37, 78, 82, 83, 85, 88, 90, 140, 143, 147, 149, 152, 154, 209, 210, 212
External Examiner 13
Eye, Biochemistry of * 162

Failures, Learning from 184
Fc Receptors 50
Flow cytometry * 161
Free energy, expt 147
Free radicals * 97

G Proteins * 98
Gene regulation * 44
General principles in teaching 182
Genes and genome * 221
Genetic diseases * 220

Genetics, Glossary * 177
Genetics, Medical * 96, 162
Glossary of Biochemistry * 99
Glossary of Genetics * 177
Glucose structure 195
Glycoproteins 106
Gulbarga (India), Biochemistry in 26

Handbook of Biochemistry * 95
Heat shock proteins 166
Hormones * 159
Hormone action * 42
HPLC 159
Illustration * 95
Immunology * 42, 101
Improving biochemical education 178
Inositide research * 45
Instrumentation * 41
Invertase, expt 83

Laboratory practical write-ups 31
Langerhans, Islets of * 44
Lectins 2
Lexicon 47, 103, 163, 223
Letters to the Editor 155, 219
Licence in biochemistry 70
Lipids, plant * 101
Literature, biochemical 17
Lymphocytes * 41

Medical biochemistry (text) * 43
Membranes, expts 210
Membrane potential 140
Mercerization 200
Mitochondria, expt 35
Microcomputer software † 46, 94
Monitor 48, 104, 164, 224
Monosaccharide structure 29,
mRNA, expt 78
Multiple choice tests 188

Noticeboard 28, 76, 140, 208
Non-traditional courses 117
NMR applications * 161
Nucleic acids * 97
Nucleic acid sequencing * 94, 96
Nutrition * 43

Subject Index

(* Book Review, † Software Review)

Acetyl CoA turnover, expt 212, 216
Adenosine deaminase deficiency, expt 90
Alcoholism * 101
Alkaloid chromatography 222
D-Amino acid oxidase, expt 209

Basic facts * 160
Biochemistry (Campbell) * 222
Biochimie Clinique * 99
Biophysical Chemistry * 99
Bone, expt 210
Budapest, FEBS 117
Bulgaria, Workshop 64

Calcium, cellular * 42
Cancer diagnosis * 161
Cell, Blueprint for * 159
Centrifugation * 157
Chaperones 166
Cholesterol Metabolism * 44
Chromatography, expt 33
Citrate cycle 19, 24
Colombia, workshop 7
Computers, use of 140, 147, 154
Costa Rica, Workshop 173

Diabetes, Case study 193
Disulphides, expt 153
DNA Course * 157
DNA Model 82
DNA Music cassette 45
DNA Sequencing videotape 94

Editorials 1, 49, 105. 165
Educating for a career 121
Electrophoresis * 39, 102
Eminent scientists * 161
Energy transitions * 101
Enzymes * 102
Enzyme kinetics, expt 154
Enzymes in industry * 98
Erythrocytes, expt 34
Essays in Biochemistry * 42
Examinations 185
Experiments 33, 34, 35, 37, 78, 82, 83, 85, 88, 90, 140, 143, 147, 149, 152, 154, 209, 210, 212
External Examiner 13
Eye, Biochemistry of * 162

Failures, Learning from 184
Fc Receptors 50
Flow cytometry * 161
Free energy, expt 147
Free radicals * 97

G Proteins * 98
Gene regulation * 44
General principles in teaching 182
Genes and genome * 221
Genetic diseases * 220

Genetics, Glossary * 177
Genetics, Medical * 96, 162
Glossary of Biochemistry * 99
Glossary of Genetics * 177
Glucose structure 195
Glycoproteins 106
Gulbarga (India), Biochemistry in 26

Handbook of Biochemistry * 95
Heat shock proteins 166
Hormones * 159
Hormone action * 42
HPLC 159
Illustration * 95
Immunology * 42, 101
Improving biochemical education 178
Inositide research * 45
Instrumentation * 41
Invertase, expt 83

Laboratory practical write-ups 31
Langerhans, Islets of * 44
Lectins 2
Lexicon 47, 103, 163, 223
Letters to the Editor 155, 219
Licence in biochemistry 70
Lipids, plant * 101
Literature, biochemical 17
Lymphocytes * 41

Medical biochemistry (text) * 43
Membranes, expts 210
Membrane potential 140
Mercerization 200
Mitochondria, expt 35
Microcomputer software † 46, 94
Monitor 48, 104, 164, 224
Monosaccharide structure 29,
mRNA, expt 78
Multiple choice tests 188

Noticeboard 28, 76, 140, 208
Non-traditional courses 117
NMR applications * 161
Nucleic acids * 97
Nucleic acid sequencing * 94, 96
Nutrition * 43

Oral history 197
Order of a reaction 197
Organic synthesis * 41
Open learning * 100
Osmolyte systems 136
Oxidation energy 24
Oxygen electrode, expt 77

PCR, expt 85
PCR protocols * 45
Peru, Workshop 7
Phase transitions 204
Photosynthesis * 221
Polyphendoxidase, expt 210
Prague institute 203
Preclinical curriculum 192
Problems page 199
Problem-solving lectures 58
Protein engineering 74, 159*, 161*
Protein purification * 39
Protein sequencing * 39

Radioisotopes * 100
Receptor biochemistry * 40
Reports on Workshops 7, 64, 173
Ribozyme 72

Self-evaluation 15
Size exclusion chromatography 149
Statistics † 44, 94
Stress proteins 221
Structured course 124

Teaching aids, demonstration 127
Textbook, ideal 123
Thailand, biochemistry in 129
Tips 75
TNF * 43

Videotape reviews 39, 94, 156

Winogradski column 143
Workshops 7, 64, 173
Writing exercises 17

Yeast genetics * 101